

Substance Name	CASRN	<i>In Vitro</i> Conc. Tested	<i>In Vivo</i> Conc. Tested	Chemical Class	Form Tested	pH	Property of Interest	<i>In Vivo</i> (GHS) Classification ¹	GHS Category 1 Subclass ²	<i>In Vivo</i> (EPA) Classification ³	<i>In Vivo</i> (EU) Classification ⁴	<i>In Vitro</i> Classification (IS(A)-100) ⁵	Reference
Ethanol	64-17-5	100%	100%	Alcohol	Liquid			SCNM		SCNM	SCNM	Severe	Hagino et al. (1999)/Submitted Y. Ohno Data
Lactic acid	50-21-5	100%	100%	Carboxylic acid, Alcohol	Liquid			Category 1	4	Category I	R41	Severe	Hagino et al. (1999)/Submitted Y. Ohno Data
Oil/Water Emulsion- HZA		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HZA		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HZE		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HZF		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Moderate	Gettings et al. (1994)
Oil/Water Emulsion- HZH		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Severe	Gettings et al. (1994)
Oil/Water Emulsion- HZI		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion- HJI		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HJL		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion- HJM		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Moderate	Gettings et al. (1994)
Oil/Water Emulsion- HJN		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)
Oil/Water Emulsion- HJO		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HJR		Undiluted	Undiluted	Formulation	Solution			Category 1	1	Category I	R41	Severe	Gettings et al. (1994)
Oil/Water Emulsion- HJS		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Severe	Gettings et al. (1994)
Oil/Water Emulsion- HJT		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Slight	Gettings et al. (1994)

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Oil/Water Emulsion- HZU		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HZV		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HZW		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category III	Nonirritant	Nonirritant	Gettings et al. (1994)
Oil/Water Emulsion- HZY		Undiluted	Undiluted	Formulation	Solution			Nonirritant		Category IV	Nonirritant	Severe	Gettings et al. (1994)
Triethanolamine	102-71-6	100%	100%	Amine, Alcohol	Liquid			Nonirritant		Category III	Nonirritant	Moderate	Hagino et al. (1999)/Submitted Y. Ohno Data

Abbreviations: CASRN = Chemical Abstracts Service Registry Number; Conc. = Concentration; EPA = U.S. Environmental Protection Agency; EU = European Union; GHS = Globally Harmonized System; SCNM - Study Criteria Not Met.

¹Eye Irritant Category 1 = irreversible effects on the eye/serious damage to the eye; Category 2A = reversible effects on the eye/irritating to the eyes; Category 2B = reversible effects on the eye/mildly irritating to the eyes; Nonirritant = not an eye irritant

²NICEATM-defined subgroups assigned based on the lesions that drove classification of a GHS Category 1 substance. 1: based on lesions that are persistent; 2: based on lesions that are severe (not including corneal opacity score equal to 4); 3: based on lesions that are severe (not including corneal opacity score equal to 4) and persistent; 4: corneal opacity score equal to 4 at any time; NC: No subclassification could be made based on the data.

³Toxicity Category I for the Primary Eye Irritation Study = Corrosive, or corneal involvement or irritation not reversible within 21 days; Category II = Corneal involvement or irritation clearing in 8-21 days; Category III = Corneal involvement or irritation clearing in 7 days or less; Category IV = Minimal effects clearing within 24 hr.

⁴Risk phrase R41 = risk of serious damage to the eyes; R36 = irritating to the eyes; nonirritant = not an eye irritant.

⁵IS(A)-100 represents irritation scores that were calculated using the method described in Leupke (1985) where the *in vitro* evaluation was conducted with a 100% concentration of the test substance and the *in vivo* evaluation was conducted with a 100% concentration of the test substances; classification scheme used as described in Leupke (1985).